

Integrating the National ITS Architecture in Transit Projects

Module 4

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Module Goal

- To examine an approach to using the national architecture for transit projects

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Module Outline

- Recommended approach: review
- Applying the National ITS Architecture: the Megaville example

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Recommended Approach: Review

- Assess current/planned projects
- Do you have a regional architecture?
- Conform to architecture on projects
 - ① Examine project elements
 - ② Examine regional architecture:
 - ✦ include project elements and interfaces
 - ③ Define project focusing on interfaces
 - ④ Document decisions

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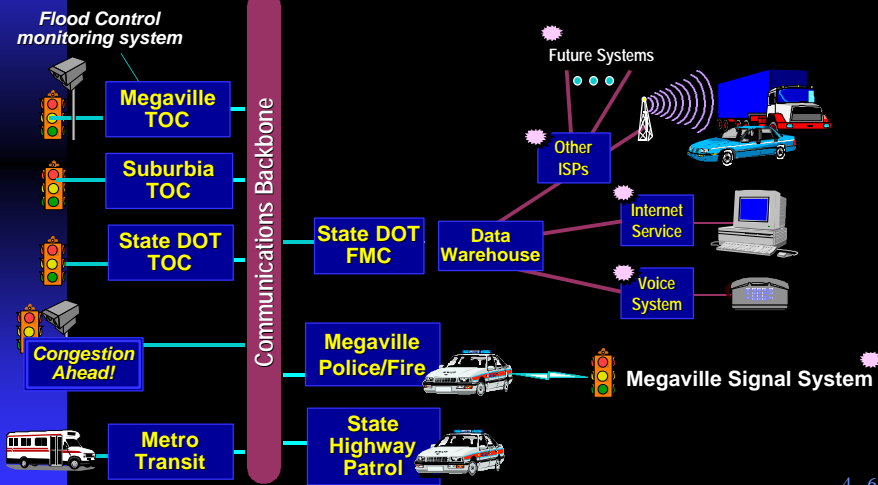
Applying the National ITS Architecture

The Megaville Example

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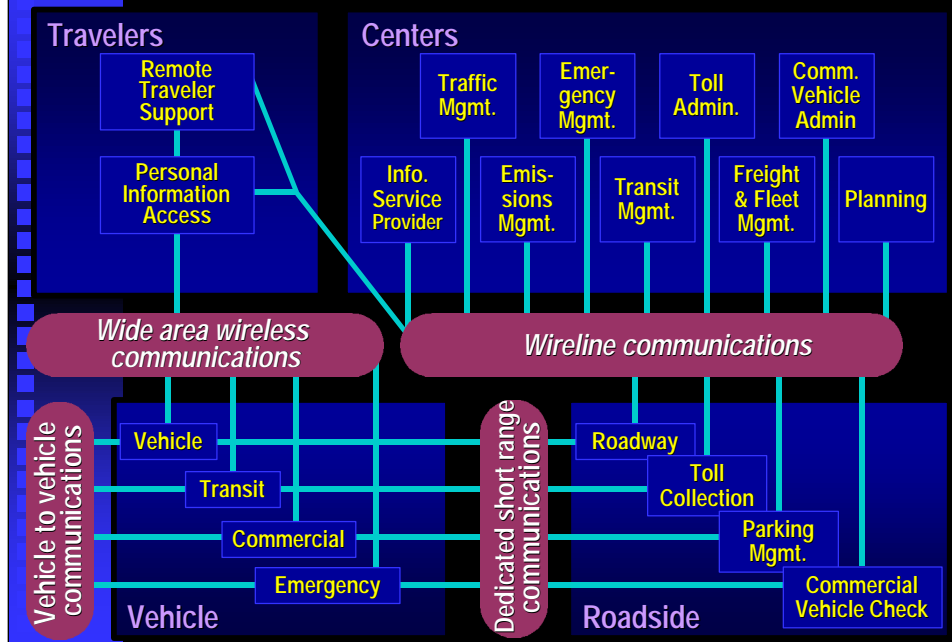
① Examine Project Elements: AVL in Megaville



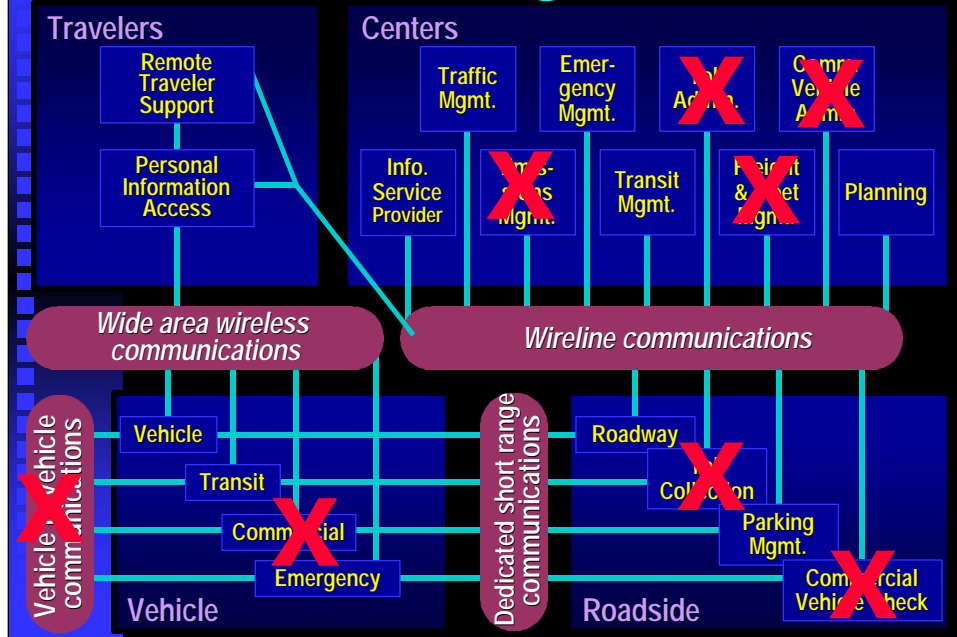
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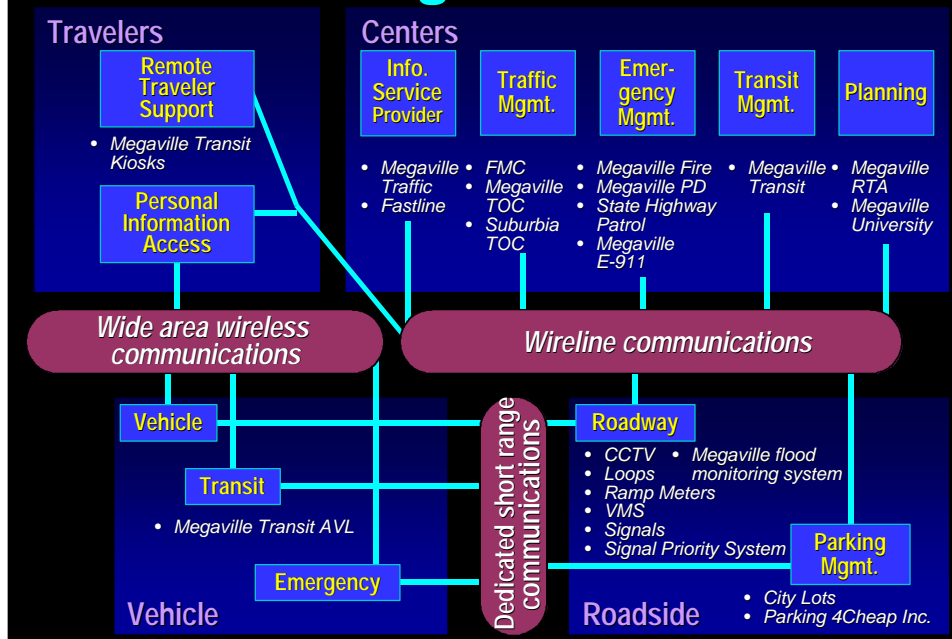
National Architecture Interconnects



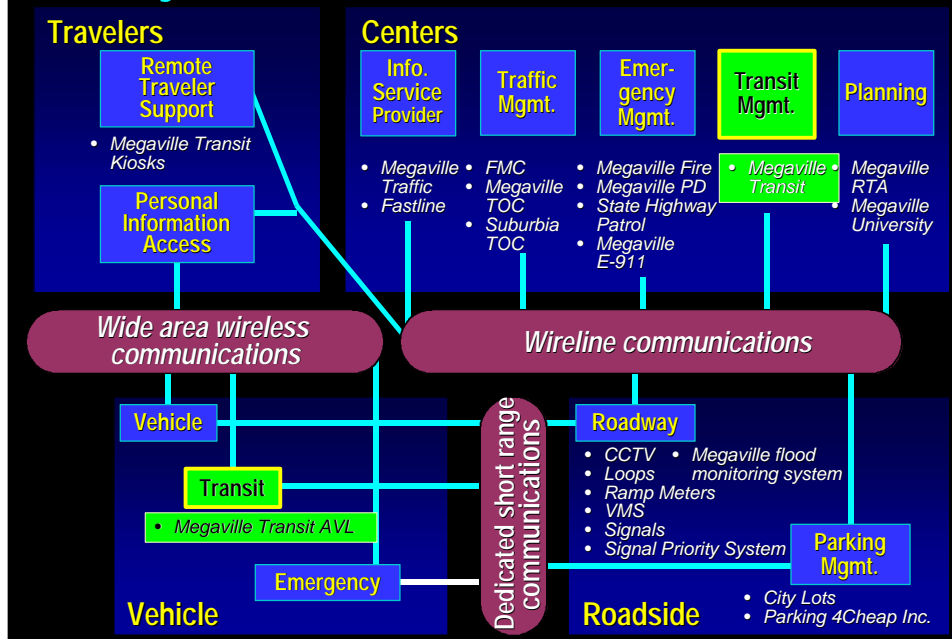
Architecture in Megaville



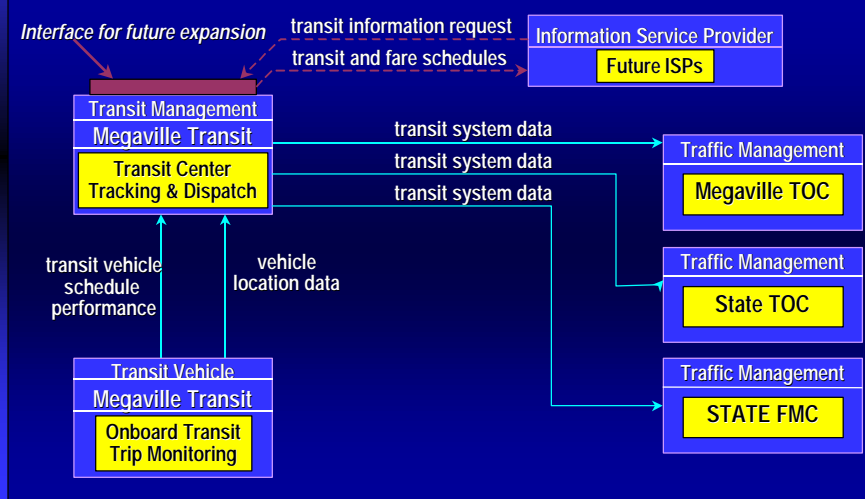
② Examine Regional Architecture



② Project Elements and Interconnects



③ Define Project Focusing on Interfaces



④ Document Decisions

Documentation identifies interfaces:

- Planned
- Future that will satisfy regional goals
- Others that do not involve any projects planned for the region
 - ◆ Aids to refine scope

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④ Document Decisions

Documentation of conformity:

- Conformity with your regional ITS
- Terminology traceable to the National ITS Architecture
 - ◆ Subsystems
 - ◆ Information flows
- Rationale for omissions
- Use of approved ITS standards

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Summary

- Project should be consistent with the regional architecture
- National ITS Architecture provides tools to help you

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